

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/994,469	11/26/2001	Albert Zur	U013733-6	7227

140 7590 08/28/2003

LADAS & PARRY
26 WEST 61ST STREET
NEW YORK, NY 10023

RECEIVED
SEP - 2 2003
L. & P.

EXAMINER

SONG, HOON K

ART UNIT PAPER NUMBER

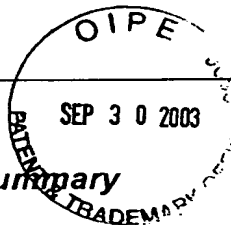
2882

DATE MAILED: 08/28/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

RECEIVED
OCT - 2 2003
TECHNOLOGY CENTER 2800

Office Action Summary



Application No.

09/994,469

Applicant(s)

ZUR ET AL.

Examiner

Hoon Song

Art Unit

2882

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-11 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-11 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 06 March 2002 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on ____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

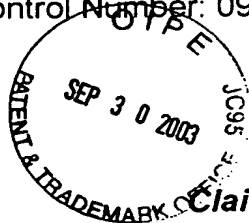
Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☒ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s). ____
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) ____ 6) ☐ Other: ____

RECEIVED
OCT -2 2003
TECHNOLOGY CENTER-2800



DETAILED ACTION

Claim Rejections - 35 USC § 102

Page 2
RECEIVED
OCT 2 2003
TECHNOLOGY CENTER 2800

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-7 and 9-10 are rejected under 35 U.S.C. 102(e) as being anticipated by Matsumoto (US 6434218B1).

Regarding claim 1, Matsumoto teaches a bucky device comprising:

An X-ray image detector (27);

An anti-scatter grid (26);

A first chamber (see where grid is located) disposed to house the grid active in which the grid positioned upstream X-ray image detector in respect impingement; and

A second chamber (28) disposed house the storage position which positioned downstream the X-ray image detector respect to x- ray impingement (figure 2a).

Regarding claim 2, Matsumoto teaches a source (21) of X-ray radiation.

Regarding claim 3, Matsumoto teaches that the x-ray image detector is a digital X-ray image detector (27a).

Regarding claim 4, Matsumoto teaches an automatic exposure control device (well known).

Regarding claim 5, Matsumoto teaches that the anti scatter grid is mounted onto an extractable frame (figure 25).

Regarding claim 6, Matsumoto teaches that the anti scatter grid is removably mounted onto the extractable frame (figure 25).

Regarding claim 7, Matsumoto teaches that extractable frame comprises at least one handle (figure 25).

Regarding claim 9, Matsumoto teaches visible indicating the status of the anti scatter grid (26a)

Regarding claim 10, Matsumoto teaches an X-ray method comprising:

providing a digital bucky including image detection module (27) and anti-scatter grid (26), wherein anti-scatter grid has position upstream of the image detection module with respect impingement storage position downstream image detection module with respect to X-ray impingement;

performing at least one X-ray imaging procedure which employs anti-scatter grid and at least imaging procedure does employ scatter grid; and

between procedures, disposing scatter grid from a first position from among its the active and storage position, to a second position (28) from among its the active and storage positions (figure 2a).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 8 and 11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Matsumoto.

Matsumoto fails to teach that the grid is moved by motorized mechanism, however it would have been obvious to an artisan of ordinary skill in the art at the time the invention was made to adopt motorized system, since it has been held that making an device automatically movable without producing any new and unexpected result involves only routine skill in the art.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hoon Song whose telephone number is 703-308-2736. The examiner can normally be reached on 8:30 AM - 5 PM, Monday - Friday.


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward Glick can be reached on 703-308-4858. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0956.

Application/Control Number: 09/994,469
Art Unit: 2882

Page 5

Hoon Song


DAVID V. BRUCE
PRIMARY EXAMINER

Notice of References Cited	Application/Control No. 09/994,469	Applicant(s)/Patent Under Reexamination ZUR ET AL.	
	Examiner Hoon Song	Art Unit 2882	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
	A	US-6,434,218	08-2002	Matsumoto, Kazuhiro	378/155
	B	US-			
	C	US-			
	D	US-			
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

FORM PTO-1449 (Colb)	ATTY DOCKET NO. U 013733-6	SERIAL NUMBER 09/994,469
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANTS' INFORMATION STATEMENT	APPLICANT Albert ZUR, et al.	EXAMINER (N/A)
	FILING DATE November 26, 2001	GROUP ART UNIT 2882

U.S. PATENT DOCUMENTS

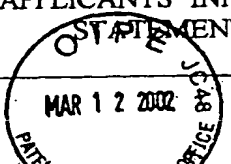
Examiner's Initials		DOCUMENT NO.	DATE	NAME	CLASS	SUB	FILING DATE
HKS	AA	4,176,275	Nov. 1979	Korn, et al.	250	213	
HKS	AB	5,508,507	Apr. 1996	Nelson, et al.	250	214	
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB	TRANS- LATION
HKS	AI	EP 0 574 690	Dec. 1993	EUROPE			
HKS	AJ	JP 61096967	May 1996	JAPAN			NO

OTHER ART (Including Author, Bills, Pertinent Pages, Etc.)

HKS	AK	Patent Abstracts of Japan Vol. 010, No. 275, May 15, 1986 & JP 61 096867.
	AL	
	AM	
EXAMINER: Hoan Song		DATE CONSIDERED: 2/17/03
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		

FORM PTO-1449 (Colb)	ATTY DOCKET NO. U 013733-6	SERIAL NUMBER 09/994,469
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANTS' INFORMATION	APPLICANT Albert ZUR, et al.	
	FILING DATE November 26, 2001	GROUP ART UNIT (N/A)

U.S. PATENT DOCUMENTS

Examiner's Initials		DOCUMENT NO.	DATE	NAME	CLASS	SUB	FILING DATE
HKS	AA	5,008,920	Apr. 1991	Gralak	378	185	
	AB	4,951,305	Aug. 1990	Moore, et al.	378	147	
	AC	5,276,333	Jan. 1994	Robertson	250	484.4	
	AD	6,244,507 B1	Jun. 2001	Garland, et al.	235	383	
	AE	5,666,395	Sep. 1997	Tsukamoto, et al.	378	98.4	
HKS	AF	4,457,010	Jun. 1984	Jenkins, et al.	378	167	
	AG						
	AH						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB	TRANS- LATION
HKS	AI	WO 01/08224	Feb. 2001	WIPO			Yes
	AJ						

OTHER ART (Including Author, Bills, Pertinent Pages, Etc.)

HKS	AK	U.S. Patent Application No.: 09/233, 327, filed January 20, 1999, entitled: "X-Ray Imaging System".
I	AL	U.S. Patent Application No.: 09/233, 320, filed January 20, 1999, entitled: "X-Ray Imaging System".
HKS	AM	U.S. Patent Application No.: 09/292, 316, filed April 15, 1999, entitled: "X-Ray Imaging System".
EXAMINER: Hoon Song		DATE CONSIDERED: 8/17/03
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		